PIG® Waste Compactor Manual

Model Numbers: **DRM652 / 7848 - Electric Waste Compactor**
DRM653 / 7849 - Electric Waste Compactor with Waste Pump
DRM654 / 7850 - Air Waste Compactor
DRM655 / 7851 - Spark Resistant Waste Compactor
DRM656 / 7852 - Spark Resistant Waste Compactor with Waste Pump
DRM345 / 7818 - Air Waste Pump Kit

Shown: DRM653/7849: Electric Compactor with Waste Pump

New Pig
One Pork Avenue • Tipton, PA 16684-0304

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PIG® Waste Compactor

Waste disposal is one of the most challenging issues industries face today. The average disposal cost for a 55-gallon drum can range from $200-$700. Further complicating the disposal picture is the shrinking number of active landfills. As a result, companies are pursuing innovative ways to reduce their disposal costs.

In 1994, New Pig developed the PIG® Waste Compactor to compact absorbents and other soft wastes. The Compactor significantly reduces waste to a fraction of its original volume resulting in dramatically lower disposal costs. The original pump kit captures segregated liquids for reuse or recycling.

To determine just how much money a PIG® Waste Compactor could save you, we conducted a research study. Our results found that 100% of users significantly reduced the number of drums they sent out for disposal. Compaction ratios ranged from a high of 6:1 to a low of 2:1.

New Pig's Product Development Team has designed the following features to insure safe operation: an improved ram guard completely encloses the top of the drum and drum door interlocks prevent access during operation. In fact, the PIG® Waste Compactor is approved by the Canadian Standards Association, an OSHA-recognized testing laboratory.

Use your PIG® Waste Compactor to crush:

- **Absorbents**
- **Wipers**
- **Rags**
- **Plastic**
- **Paper**
- **Cardboard**
- **Paper filters**
- **Other soft materials**

(not recommended for wood, metal or other hard materials)

Section I - Electric Compactors

1 Setup Instructions

1) Remove PIG® Waste Compactor from pallet and place on floor.

2) If desired, permanently mount the compactor to the floor using the pre-drilled holes in the base. Up to 1/2" floor anchors can be used. Floor anchoring not required for operation (anchors not included).

3) Power source required: 120 Volt AC with 15 amp breaker.

4) Wire unit to terminal block inside closure through hole marked 120 Volt AC 15 amp as shown in schematic. (Note: wiring should be performed by a qualified electrician)

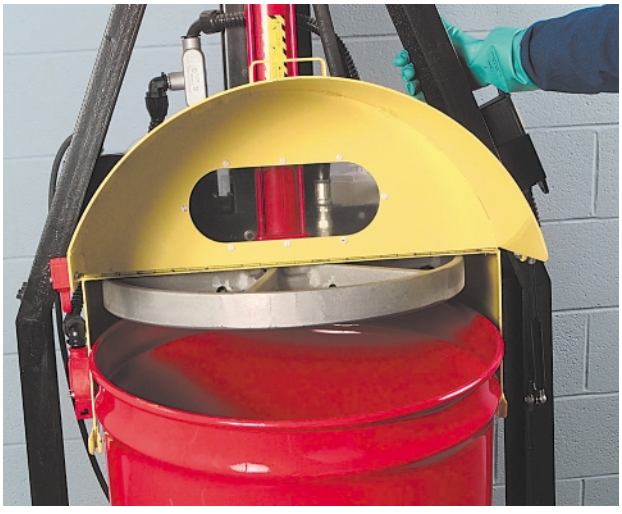
2 Operating Instructions

Always wear the proper safety equipment when operating this unit.

1) Open safety cover.

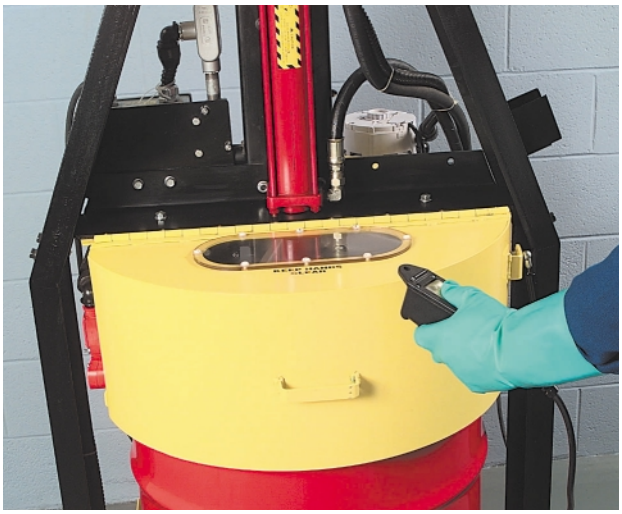
2) Tilt unit back with drum in place to facilitate loading.

3) Return to upright locked position and close safety cover.



4) Move directional lever on electric pump to the down position and depress operation button to compact. Continue to compact until the pump stops (reaching maximum pressure).

5) To raise the ram, release button to stop, move directional lever on electric pump to the up position and depress operation button.



Note: Unit will not operate if the unit is not in the upright position or safety cover is not closed.

Item# DRM652 / 7848 • PIG® Electric Compactor

DESCRIPTION- An electric operated compaction device used to increase the amount of waste that can fit into a disposal drum.

Packaging: 1 Box/Pallet

Color: Black/Yellow

Weight: 506 lbs.

Per Pallet: 1

Dimensions:

Overall Dimensions - 67 1/8" H x 31 1/2" W x 38" D
Ram Diameter - 22" O.D.
Hand Remote - Cord Length: 6'

Composition: Hot rolled steel, structural c-channel and aluminum.

Power Supply: 120 Vac

Amp Draw: 10 amps under maximum load

Motor: 1/2 HP - 3450 RPM

Elec. Connection: Power supply connection to be provided by customer

Average Cycle Time: 1 Minute

FEATURES/BENEFITS

- CSA/UL approved / Tested to meet safety requirements.
- "Ram Guard" covers top of drum / Prevents any possible hand injuries.
- Microswitch prevents use of compactor until cover is shut.
- 120 VAC/10 AMP hydraulic pump / Easy power supply is readily available.
- 12,000 lbs. of downward compaction force / High compaction capacity.
- Compacts as many as 6 drums into 1 / Reduces waste stream and disposal costs.
- One minute cycle time / Compacts quickly and saves time.
- Hand Remote Control / Easy operation.
- Tilt back frame / Allows drum to be filled with materials without having to move drum away from compactor.
- Safety interlock / Won't run unless the unit is in the locked upright position.

FEATURES/BENEFITS (Continued)

- Automatic shut off / Unit will only run when the button is depressed.
- Raised steel base plate under drum / Prevents the bottom of the drum from bowing under the pressure of compaction.
- View port on ram guard / Allows the user to safely view what is happening in the drum without opening the lid.
- Mounting holes in the base plate / Allows permanent mounting to floor.
- Drain holes in the ram plate / Allows liquid collected on the top of the ram plate to drain back into the drum when the plate is lifted.

APPLICATIONS

Designed to assist in waste minimization programs by allowing the user to fit more soft waste in each disposal drum. Designed to compact absorbents, rags, paper filters and trash. * The unit is NOT for use with metal, flammables, wood or other hard materials or crushing steel drums.

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Item# DRM653 / 7849 • PIG® Electric Compactor With Waste Pump

DESCRIPTION- An electric operated compaction device used to increase the amount of waste that can fit into a disposal drum. Includes a waste pump that allows removal of free standing liquids from the compaction process.

Packaging: 1 Box/Pallet

Color: Black/Yellow

Weight: 524 lbs.

Per Pallet: 1

Dimensions:

Overall Dimensions - 67 1/8" H x 31 1/2" W x 38" D
Ram Diameter - 22" O.D.
Hand Remote - Cord Length: 6'
Waste Pump Hoses - Intake/Outlet: 5/8" I.D. x 7'

Composition: Hot rolled steel, aluminum and structural c-channel

Power Supply: 120 VAC

Amp Draw: 10 amps under maximum load

Motor: 1/2 HP - 3450 RPM

Elec. Connection: Power supply connection to be provided by customer

Waste Pump: 3 to 4 gal./min.

Average Cycle Time: 1 Minute

FEATURES/BENEFITS

- CSA/UL approved / Tested to meet safety requirements.
- "Ram Guard" covers top of drum / Prevents any possible hand injuries.
- Microswitch prevents use of compactor until cover is shut.
- 120 VAC/10 AMP hydraulic pump / Easy power supply is readily available.
- 12,000 lbs. of downward compaction force / High compaction capacity.
- Self-priming 3 to 4 gal./min. diaphragm waste pump / High output pump that can run dry without damage.
- 20 mesh easy clean filter system / Keeping large particles from damaging and clogging pump.

FEATURES/BENEFITS (Continued)

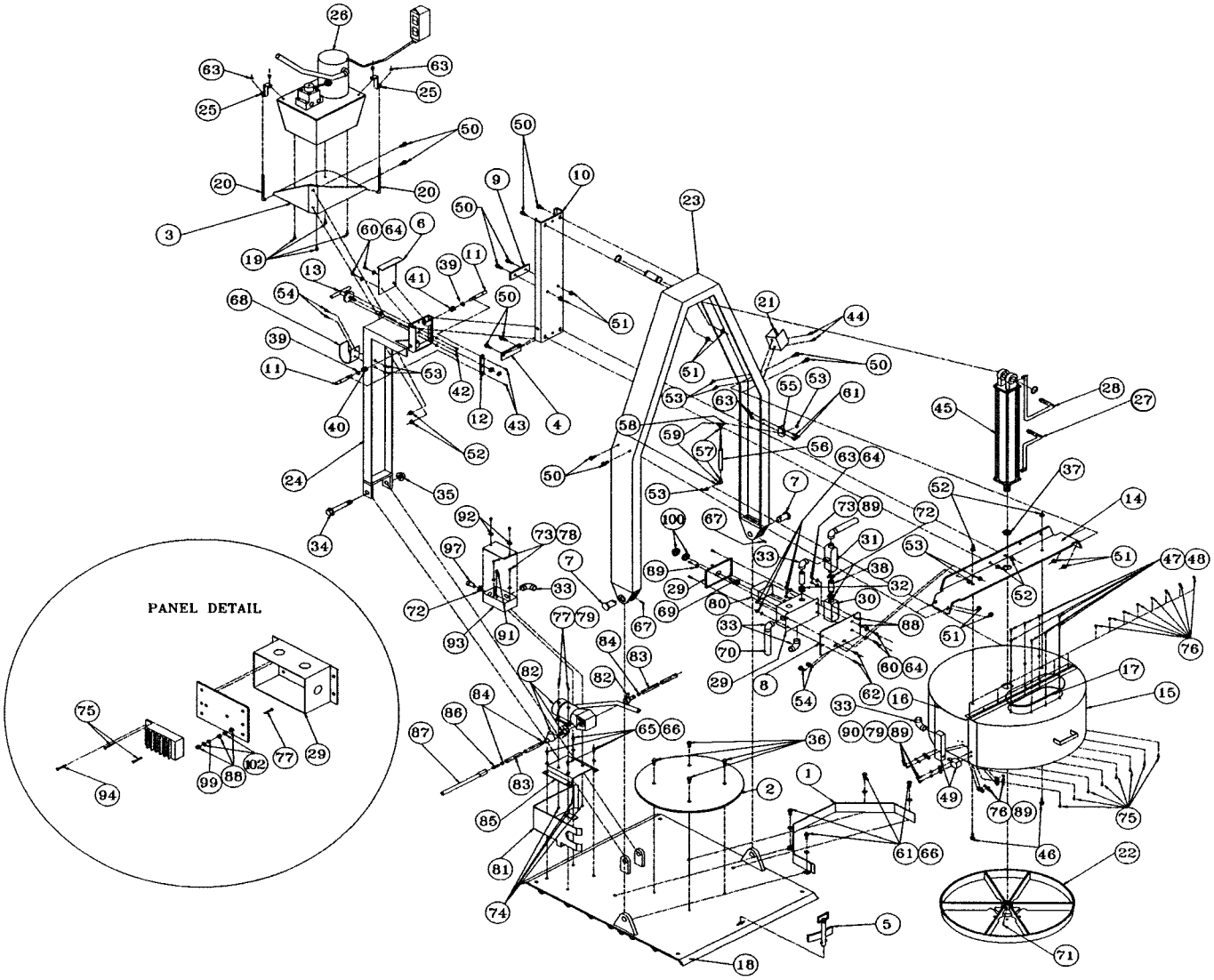
- Corrosion and chemically resistant / No metal parts coming in contact with liquids being pumped.
- Tilt back frame / Allows drum to be filled with materials without having to move drum away from compactor.
- Safety interlock / Won't run unless the unit is in the locked upright position.
- One minute cycle time / Compacts quickly and saves time.
- Compacts as many as 6 drums into 1 / Reduces waste stream and disposal costs.
- Hand Remote Control / Easy operation.
- Automatic shut off / Unit will only run when the button is depressed.
- Drain holes in the ram plate / Allows liquid collected on the top of the ram plate to drain back into the drum when the plate is lifted.
- Raised steel base plate under drum / Prevents the bottom of the drum from bowing under the pressure of compaction.
- Mounting holes in the base plate / Allows permanent mounting to floor.
- View port on ram guard / Allows the user to safely view what is happening in the drum without opening the lid.

APPLICATIONS

Designed to assist in waste minimization programs by allowing the user to fit more soft waste in each disposal drum. Designed to compact absorbents, rags, paper filters and trash. * The unit is NOT for use with metal, flammables, wood or other hard materials or crushing steel drums.

Rev. 10/01/97

Electric Operated Compactors



Revision: 3
2/19/98

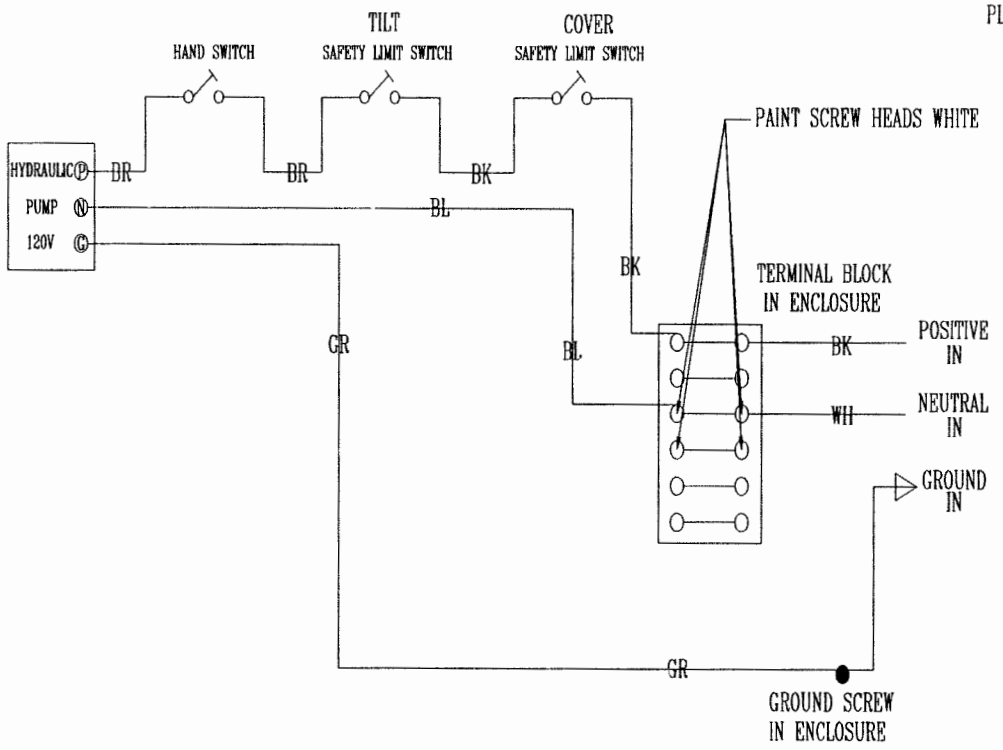
ELECTRIC COMPACTOR(S) PARTS LIST

Item No.	Part No.	Description	DRM652/7848 Quantity	DRM653/7849 Quantity
1	150123A	Base Plate Locating Ring	1	1
2	150123-7	Steel Round Disc	1	1
3	600018	Pump Mount Plate	1	1
4	150134	Bottom Stop Plate	1	1
5	150136	Locating Pin	1	1
6	150138	Latch Cover	1	1
7	150141	Hinge Pin	2	2
8	600017	Electric Mounting Box	1	1
9	150137	Top Stop Plate	1	1
10	150139A	Tilt Guide	1	1
11	150142	Latch Pin	2	2
12	150143	Pivot Bar	1	1
13	DRM316A1-1	Handle Assembly	1	1
14	150122	Center Support	1	1
15	600143A	Front Dome Cover Ass'y.	1	1
16	600143B	Rear Dome Cover Ass'y.	1	1
17	150132-4	Plexiglass Sight Window	1	1
18	150123	Base Plate	1	1
19	F1111	#14 X 1" HWH Type B T/Screw	4	4
20	600018-4	J-Bolt	2	2
21	600019	Pendant Holder	1	1
22	600087	Aluminum Dome Plate	1	1
23	150125	A-Frame Assembly	1	1
24	150140	Rear Pivot Support	1	1
25	600018-5	Electric Pump Clamp	2	2
26	P1008	Electric Hydraulic Pump W/Hand Remote	1	1
27	P1014	29.5" Hydraulic Hose W/Fittings	1	1
28	P1013	38.5" Hydraulic Hose W/Fittings	1	1
29	P1012	Electric Enclosure Box	1	1
30	P1010	Limit Switch	1	1
31	P1016	Conduit Fitting	1	1
32	P1017	Straight Connector	1	1
33	P1020	90 Degree Connector	3	5
34	F1654	3/4"-10UNC X 6" Grade 5 Hex Head Cap Screw	1	1
35	F1655	3/4"-10UNC Nylon Self Locking Hex Nut	1	1
36	F1216	1/4"-20UNC X 1" Flat Countersink Allen Head	4	4
37	155186	Garlock Bushing	1	1
38	F1966	1/2" X 2 1/2" Galvanized Pipe Nipple	1	1
39	DRM316A1-2	Clip Pin	2	2
40	DRM316A1-5	0.06" Heavy Compression Spring	1	1

Item No.	Part No.	Description	DRM652/7848 Quantity	DRM653/7849 Quantity
41	P1105	0.055" Compression Spring	1	1
42	F1048	#10-32UNF X 3/8" Button Head Screw	2	2
43	F1204	1/4" X 1/4" with #10-32 UNF Thread	2	2
44	F1347	5/16"-18UNC X 3/4" Carriage Bolt	2	2
45	P1015	Hydraulic Cylinder (18" CRSS)	1	1
46	F1468	3/8"-16UNC X 3/4" Carriage Bolt	2	2
47	F1922	3/8" Snap Binding Screw Post	8	8
48	F1923	Nylon Flat Washer	8	8
49	P1155	Safety Interlock Switch with Key	1	1
50	F1425	3/8"-16UNC X 1" Grade 8 Flange Bolt	12	12
51	F1426	3/8"-16UNC Grade 8 Flange Nut	8	8
52	F1421	3/8"-16UNC Hex Whiz Lock Nut	6	6
53	F1339	5/16"-18UNC Hex Whiz Lock Nut	6	8
54	F1338	5/16"-18UNC X 3/4" Hex Flange Whiz Lock Bolt	2	4
55	600143-6	Shock Mounting Bracket	1	1
56	P1151	Fixed Force Gas Spring	1	1
57	P1152	Gas Spring End Fitting	2	2
58	P1154	Gas Spring Ball Stud	2	2
59	P1153	Gas Spring Safety Clip	2	2
60	F1159	1/4"-20UNC X 1/2" Hex Head Cap Screw	4	4
61	F1199	1/4"-20UNC X 3/4" Grade 5 Hex Head Cap Screw	6	6
62	F1214	1/4"-20UNC x 1/2" 82 Deg. Socket Flat Cap Screw	2	2
63	F1152	1/4"-20UNC Center Hex Head Lock Nut	8	8
64	F1200	1/4" Star Lock Washer	8	8
65	F1215	1/4"-20UNC X 1 1/2" Grade 5 Hex Head Cap Screw	0	4
66	F1197	1/4" Lock Washer	4	8
67	F1158	1/4"-20UNC X 1/2" Allen Head Set Screw	2	2
68	150146	Hose Bracket	0	1
69	P1018	Knob Selector Switch	0	1
70	P1011	Extraflex Conduit	1.5 ft	6.5 ft
71	F1191	1/4"-20UNC Brass Tip Hex Socket Set Screw	1	1
72	P1037	1/2" Conduit Lock Nut	2	3
73	F1719	#10-24UNC X 1 1/2" Slotted Head Machine Screw	2	4
74	F1722	#10-24 Nylock Nut	0	4
75	F1039	#8-32UNC X 1/2" Slotted Head Machine Screw	10	10
76	F1038	#8-32UNC Nylon Self Locking Hex Head Nut	12	12
77	F1720	#10-24UNF X 1" Slotted Head Machine Screw	1	3
78	P1126	Rubber Bumper	0	2
79	F1054	#10 Flat Washer	4	6
80	P1025	Contact Block	0	1
81	600021	Electric Pump Guard	0	1
82	P1009	Shur Flow Pump, W/Filter & W/Fittings	0	1
83	P1085	1/2" I.D. Reinforced PVC Tubing	0	14 ft
84	F1949	5/8" Hose Clamp	0	3
85	600020	Base Pump Mounting Plate	0	1
86	F1945	1/2" Pipe X 1/2" Hose Barb	0	1
87	DRM345-9	Wand	0	1

Item No.	Part No.	Description	DRM652/7848 Quantity	DRM653/7849 Quantity
88	F1053	#10-24UNC Star Lock Hex Head Nut	5	5
89	F1704	Internal Star Lock Washer	11	13
90	F1036	#8-32UNC X 1 1/2" Slotted Head Machine Screw	4	4
91	F1057	#10-32UNF X 3/8" Hex Head Green Ground Screw	0	1
92	F1035	#8 External Star Lock Washer	0	2
93	P1024	4 X 2 Electrical Box	0	1
94	F1069	#10-32UNF X 3/8" Slotted Head Machine Screw	0	1
97	P1127	Cord Connector	0	1
99	P1141	#10 Cup Washer	1	1
100	P1019	Closing Button	1	0
101	P1050	13/16" Nylon Finishing Plug	2	1
102	F1983	Flat Washer	1	2

6 Electrical Schematic for DRM652/7848



PLEASE NOTE: ALL WIRES ARE THE STANDARD COLOR CODES AS STATED, EXCEPT ON THE HYDRAULIC PUMP.

POSITIVE - BROWN WIRE

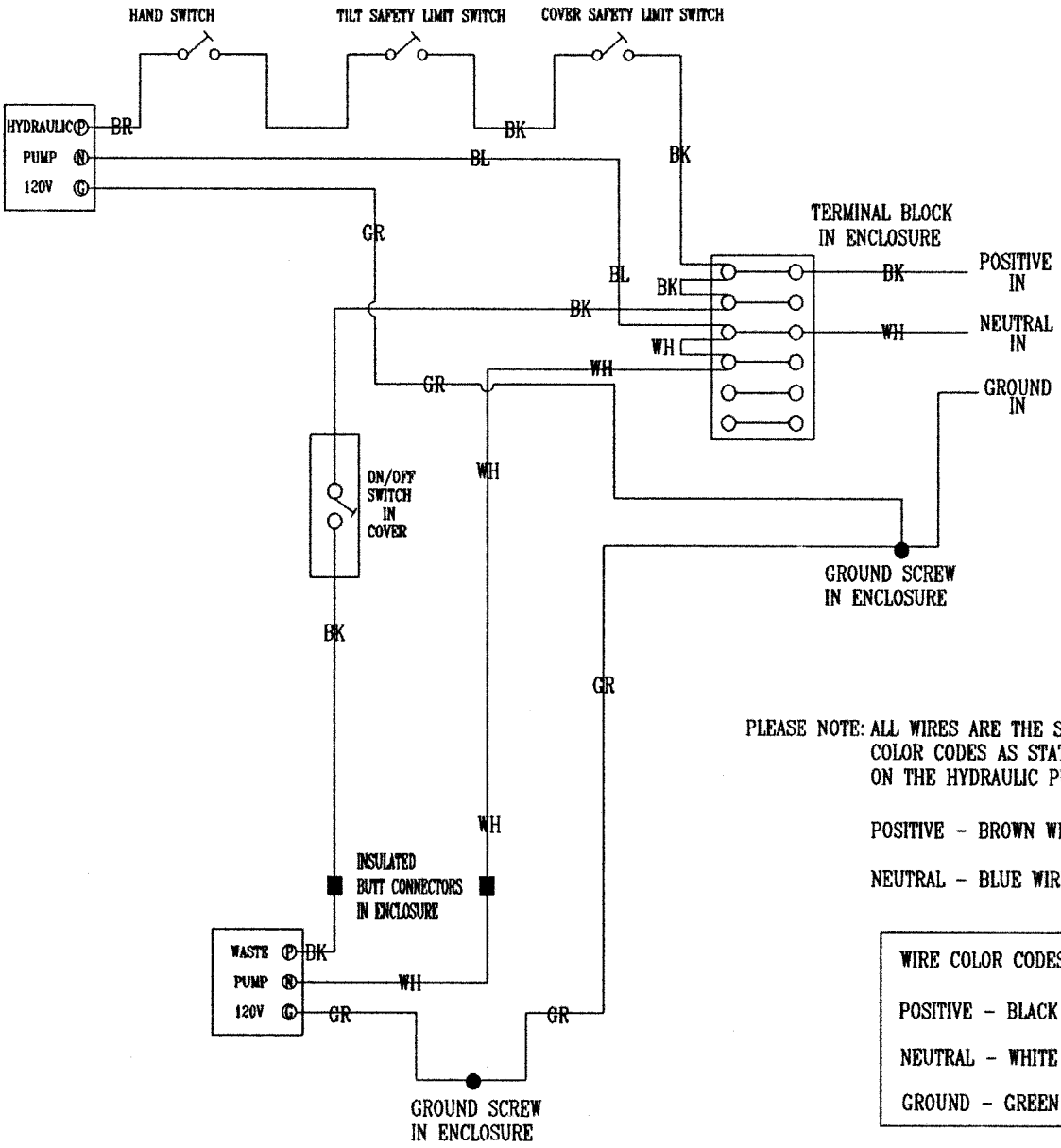
NEUTRAL - BLUE WIRE

WIRE COLOR CODES
POSITIVE - BLACK WIRE
NEUTRAL - WHITE WIRE
GROUND - GREEN WIRE

ABBREVIATIONS FOR WIRE COLOR CODES

BLACK WIRE = BK
BLUE WIRE = BL
BROWN WIRE = BR
GREEN WIRE = GR
WHITE WIRE = WH

7 Electrical Schematic for DRM653/7849



PLEASE NOTE: ALL WIRES ARE THE STANDARD COLOR CODES AS STATED, EXCEPT ON THE HYDRAULIC PUMP.

POSITIVE - BROWN WIRE

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WIRE COLOR CODES
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8 Preventative Maintenance

1) Check hydraulic oil level. Should be approximately 1" from top of filler hole. Use a general purpose medium weight hydraulic fluid. New Pig Item# DRM673
2) Check for loose nuts, bolts and pins.
3) Check Ram Plate to insure that it is secure to the hydraulic cylinder shaft. Run unit empty to full extension of the hydraulic cylinder. Allow the unit to build full pressure, this will lock the cylinder in place so that it can be tightened or removed. Caution - Loosen set screw before attempting to tighten or remove ram plate.

   Tighten set screw after adjusting

9 Trouble Shooting Guide

Hydraulic pump runs, but ram will not move.

- Hydraulic fluid is low - Use a medium weight hydraulic fluid and fill to within 1" of the top of filler hole with the ram in the up position.
- Up and down lever is not fully engaged - Make sure lever is moved completely to the up or down position.
- Breather cap on the hydraulic pump is closed - Open cap.

Waste pump runs, but will not pump.

- Check hoses for obstructions.
- Check filter screen and clean.

Hydraulic pump will not run.

- Safety cover micro is not fully engaged - Make sure it is fully closed.
- Safety cover micro is out of alignment - Adjust micro so it is fully engaged when cover is in the closed position.
- Tilt micro is not fully engaged - Make sure the compactor is in the upright position and the locking pins are fully extended and depressing the micro.
- Tilt micro is out of alignment - Adjust micro so it is fully depressed when compactor is in the upright position and the locking pins are fully extended.
- Check power supply to the unit.

Loose Ram Plate

- Ram plate is loose - Run the compactor empty to full extension of hydraulic cylinder. Allow unit to build full pressure, this will lock the cylinder in place so it can be tightened or removed.
  CAUTION: Loosen set screw before attempting to tighten or remove ram plate.

Section II - Air Compactors

1 Setup Instructions

1) Remove PIG® Waste Compactor from pallet and place on floor.

2) If desired, permanently mount the compactor to the floor using the pre-drilled holes in the base. Up to 1/2" floor anchors can be used. Floor anchoring not required for operation (anchors not included).

3) Remove the yellow plug in the top of the air pump with wrench. Replace with the attached black vent cap. Do not over tighten the vent cap with wrench.

4) Remove the pipe plug from the air intake pipe located on the back of the unit, attached to the side of the Rear Pivot (Part # 19 on exploded view).

5) Screw a male air connect chuck into the 3/8" pipe.

6) Attach air chuck and air line (both not included) to male air connect.

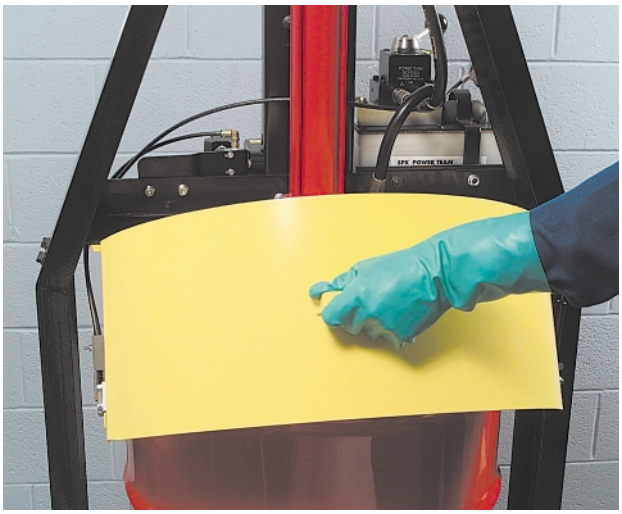
7) Ground unit to earth ground with provided grounding wire.
Note: A ground is provided with DRM654 & DRM655.

Note: An in line air filter (included) and oiler (not included) should be used with this unit.

2 Operating Instructions

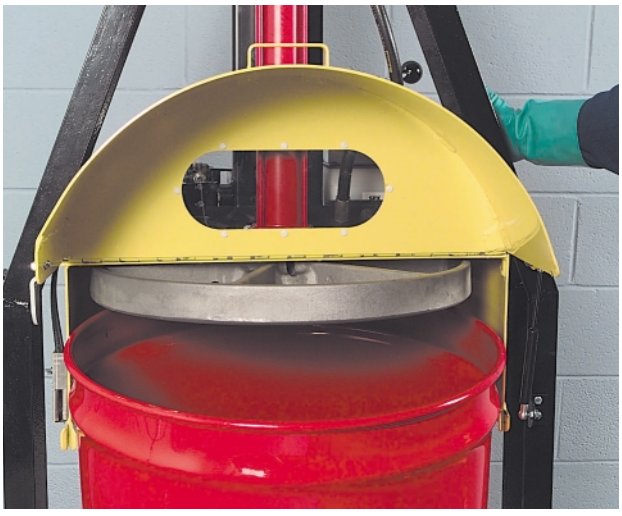
Always wear the proper safety equipment when operating this unit.

1) Open safety cover.



2) Tilt unit back with drum in place to facilitate loading.

3) Return to upright locked position and close safety cover.



4) Move directional lever on air hydraulic pump to the down position and depress operation button to compact. Continue to compact until the pump stops (reaching maximum pressure).

5) To raise the ram, release button to stop, move directional lever on air hydraulic pump to the up position and depress operation button.

Note: Unit will not operate if the unit is not in the upright position or safety cover is not closed.

Item# DRM654 / 7850 • PIG® Compactor - Air

DESCRIPTION- An air-driven hydraulic compaction device used to increase the amount of waste that can fit into a disposal drum.

Packaging: 1 Box/Pallet

Color: Black/Yellow

Weight: 506 lbs.

Per Pallet: 1

Dimensions:

Overall Dimensions - 67 1/8” H x 31 1/2” W x 38” D
Ram Diameter - 22” O.D.

Composition: Hot rolled steel, structural c-channel and aluminum.

Minimum Air Required: 80 psi, 10 cfm air

Average Cycle Time*: 2 Minutes (1 minute up, 1 minute down)

*May vary according to air pressure.

FEATURES/BENEFITS

- Compacts as many as 6 drums into 1 / Reduces waste stream and disposal costs.
- Air driven hydraulic pump (preset at 2,500 PSI) / Provides 12,000 lbs. of downward force.
- “Ram Guard” covers top of drum / Prevents any possible hand injuries.
- Microswitch prevents use of compactor until cover is shut.
- Manually operated on/off air valve / Unit will not operate unless the valve is depressed. When valve is released compactor shuts off.
- Tilt back frame / Allows drum to be filled with materials without having to move drum away from compactor.
- Safety interlock / Won’t run unless the unit is in the locked upright position.
- Raised steel base plate under drum / Prevents the bottom of the drum from bowing under the pressure of compaction.
- View port on ram guard / Allows the user to safely view what is happening in the drum without opening the lid.
- Mounting holes in the base plate / Allows permanent mounting to floor.

FEATURES/BENEFITS (Continued)

- Drain holes in the ram plate / Allows liquid collected on the top of the ram plate to drain back into the drum when the plate is lifted.
- Retaining pin / Keeps drum located and secure underneath ram.
- Includes air line filter / Removes water from air line and extends life of pump.
- Waste pump available (DRM345) / Allows liquids to be pumped from waste drum.

APPLICATIONS

Designed to assist in waste minimization programs by allowing the user to fit more soft waste in each disposal drum. Designed to compact absorbents, rags, paper filters and trash. * The unit is NOT for use with metal, wood or other hard materials, flammables or crushing steel drums.

Rev. 10/01/97

Item# DRM655 / 7851 · PIG® Spark-Resistant Compactor

DESCRIPTION- An air operated, spark-resistant compaction device used to reduce waste to a fraction of its original volume.

Packaging: 1 Box/Pallet

Color: Black/Silver

Weight: 486 lbs.

Per Pallet: 1

Dimensions:

Overall - 31 1/2” W x 67 1/8” H x 38” D

Composition:

Aluminum: Ram, Base, Retaining Pin, Ram Guard, Surround
Shield. Frame: Hot Rolled Steel

Minimum Air Required: 80 PSI, 10 CFM Air

Average Cycle Time*: 2 Minutes (1 minute down, 1 minute up)

* May vary according to air pressure

FEATURES/BENEFITS

- All components that a drum may come in contact with are made of aluminum with air-driven hydraulics / Spark-resistant.
- Compacts up to 6 to 1 (depending on material) / Reduces disposal costs by having less drums to dispose of.
- Use with absorbents, rags, paper, or anything that is “soft” rather than “hard” and non-metallic / Minimizes waste.
- Air-driven hydraulic pump (preset at 2,500 PSI) / Provides 12,000 lbs. of downward force.
- “Ram guard” covers the top of drum / Prevents any possible hand injuries.
- Microswitch prevents use of compactor until cover is shut.
- Safety interlock / Compactor will not run unless frame is locked into the upright position.
- Manually operated on/off air valve / Unit will not operate unless the valve is depressed. When valve is released compactor shuts off.

FEATURES/BENEFITS (Continued)

- Tilt back frame / Allows drum to be filled with materials without having to move drum away from compactor.
- Raised aluminum base plate / Centers the drum under the ram plus it prevents the bottom of the drum from bowing under compaction force.
- View port on ram guard / Allows the user to view compacting ram and any liquids that may accumulate.
- Holes drilled in base plate / Allows unit to be mounted to floor. Floor anchoring is not required.
- Drain holes in ram plate / Allows liquids to rise to the top when compacting.
- Retaining pin / Keeps drum located and secure underneath ram.
- Compactor includes an attached grounding wire / Allows user to ground unit for added safety.
- Includes air line filter / Removes water from air line and extends the life of the pump.

APPLICATIONS

To assist in waste minimization, allows the user to fit more soft waste in each disposal drum. **IMPORTANT: It is the user's responsibility to ensure waste entered into drum will not generate a spark by itself, or by coming in contact with the drum.

Rev. 10/01/97

Item# DRM656 / 7852 · PIG® Spark-Resistant Compactor With Waste Pump

DESCRIPTION- An air operated, spark-resistant compaction device used to reduce waste to a fraction of its original volume.

Packaging: 1 Box/Pallet

Color: Black/Silver

Weight: 524 lbs.

Per Pallet: 1

Dimensions:
Overall - 31 1/2" W x 67 1/8" H x 38" D

Composition:
Compactor See DRM655. PUMP: Wand; Aluminum, Hose; Static Dissipative. Wetted Pump Parts: Polypropylene, SS and Teflon

Minimum Air Required: 80 PSI, 10 CFM Air

Average Cycle Time*: 2 Minutes (1 minute down and 1 minute up)
* May vary according to air pressure

Pump Wetted Parts: SS-Filled Acetal

Center Body: Polypropylene

Check Valve: Stainless Steel

Diaphragm O-Ring: Teflon

Pump Output: 13 GPM (self priming)

FEATURES/BENEFITS

- All components that a drum may come in contact with are made of aluminum with air-driven hydraulics / Spark-resistant.
- Compacts up to 6 to 1 (depending on material) / Reduces disposal costs by having less drums to dispose of.
- Use with absorbents, rags, paper, or anything that is "soft" rather than "hard" and non-metallic / Minimizes waste.
- Air-driven hydraulic pump (preset at 2,500 PSI) / Provides 12,000 lbs. of downward force.

FEATURES/BENEFITS (Continued)

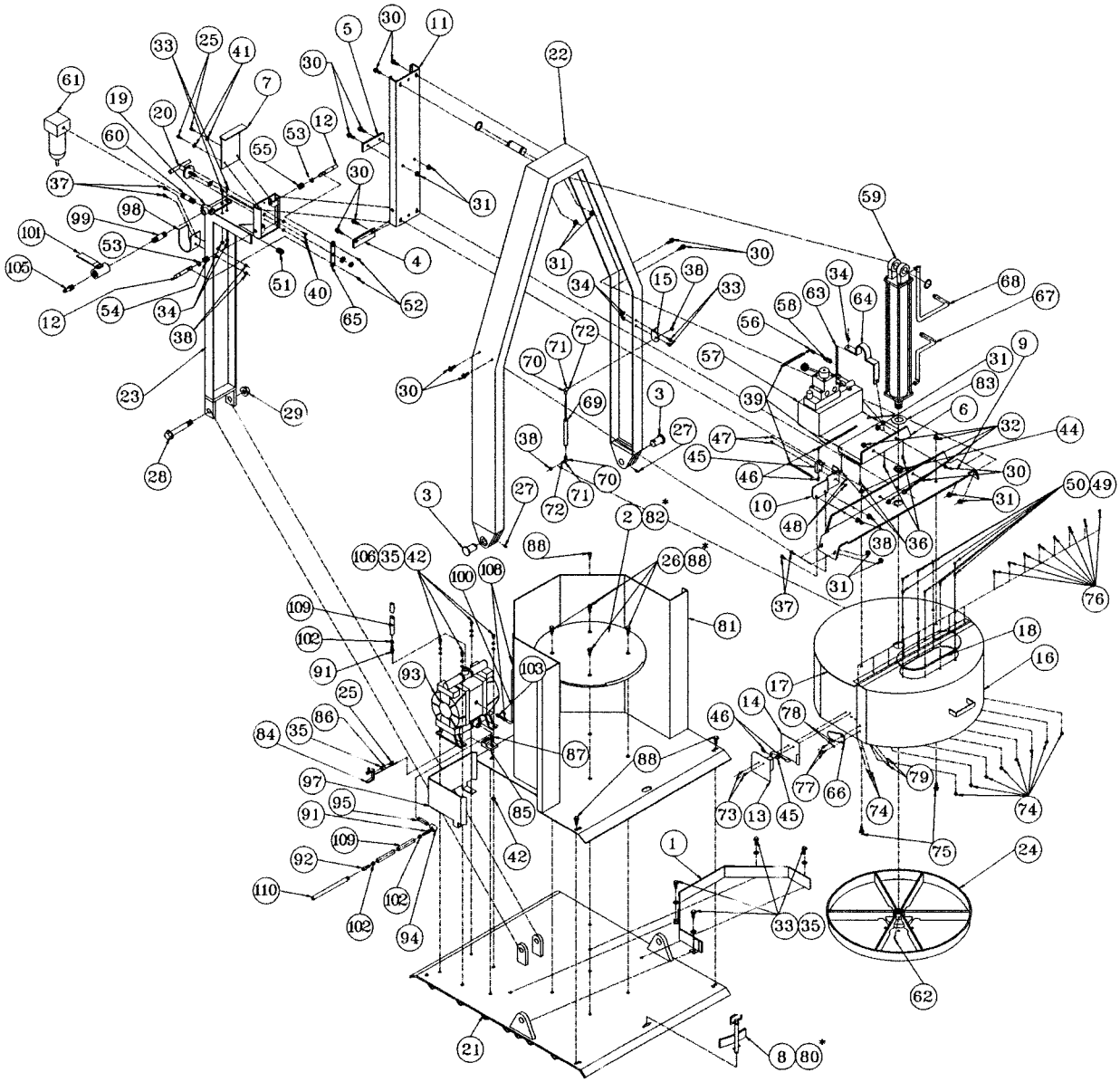
- "Ram guard" covers the top of drum / Prevents any possible hand injuries.
- Microswitch prevents use of compactor until cover is shut.
- Safety interlock / Compactor will not run unless frame is locked into the upright position.
- Manually operated on/off air valve / Unit will not operate unless the valve is depressed. When valve is released compactor shuts off.
- Tilt back frame / Allows drum to be filled with materials without having to move drum away from compactor.
- Raised aluminum base plate / Centers the drum under the ram plus it prevents the bottom of the drum from bowing under compaction force.
- View port on ram guard / Allows the user to view compacting ram and any liquids that may accumulate.
- Holes drilled in base plate / Allows unit to be mounted to floor. Floor anchoring is not required.
- Drain holes in ram plate / Allows liquids to rise to the top when compacting.
- Retaining pin / Keeps drum located and secure underneath ram.
- Compactor includes an attached grounding wire / Allows user to ground unit for added safety.
- Includes air line filter / Removes water from air line and extends the life of the pump.
- Factory installed non-metallic groundable diaphragm pump out kit / Static buildup bleed-off, provides superior compatibility with harsh industrial solvents and other volatile materials.

APPLICATIONS

To assist in waste minimization, allows the user to fit more soft waste in each disposal drum. **IMPORTANT: It is the user’s responsibility to ensure waste entered into drum will not generate a spark by itself, or by coming in contact with the drum.

Rev. 10/01/97

Air Operated Compactors



Revision: 1
11/6/97

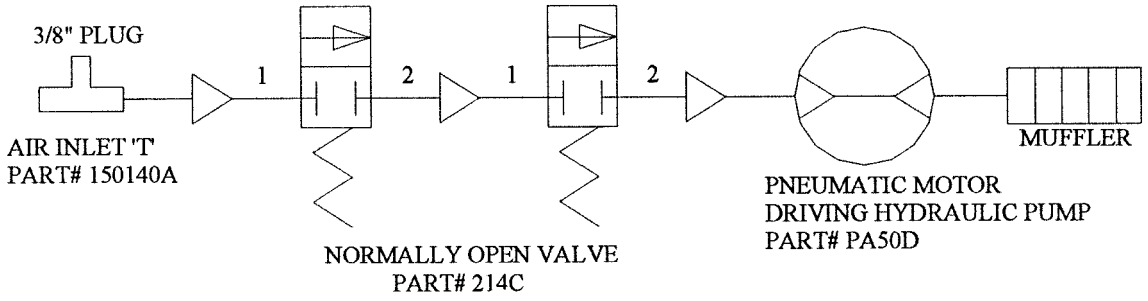
AIR OPERATED COMPACTOR(S) PART LIST

Item No.	Part No.	Description	DRM654/7850 Quantity	DRM655/7851 Quantity	DRM656/7852 Quantity
1	150123A	Base Plate Locating Ring	1	0	0
2	150123-7	Steel Round Disc	1	0	0
3	150141	Hinge Pin	2	2	2
4	150134	Bottom Stop Plate	1	1	1
5	150137	Top Stop Plate	1	1	1
6	150135	Pump Mount Bracket	1	1	1
7	150138	Latch Cover	1	1	1
8	150136	Locating Pin	1	0	0
9	150122	Center Support	1	1	1
10	150133	Micro Switch Mount	1	1	1
11	150139A	Tilt Guide	1	1	1
12	150142	Latch Pin	2	2	2
13	600150-2	Outer Micro Switch Guide	1	1	1
14	600150-3	Inner Micro Switch Guide	1	1	1
15	600143-6	Shock Mounting Bracket	1	1	1
16	600143A	Front Dome Cover Ass'y.	1	1	1
17	600143B	Rear Dome Cover Ass'y.	1	1	1
18	150132-4	Plexiglass Sight Window	1	1	1
19	150140A	Air Fitting Assembly	1	1	1
20	DRM316A1-1	Handle Assembly	1	1	1
21	150123	Base Plate	1	1	1
22	150125	A-Frame Assembly	1	1	1
23	150140	Rear Pivot Support	1	1	1
24	600087	Aluminum Dome Plate	1	1	1
25	F1159	1/4"-20UNC X 1/2" Hex Head Cap Screw	2	2	3
26	F1216	1/4"-20UNC x 1" Flat Countersink Allen Head	4	0	0
27	F1158	1/4"-20UNC X 1/2" Allen Head Set Screw	2	2	2
28	F1654	3/4"-10UNC X 6" Grade 5 Hex Head Cap Screw	1	1	1
29	F1655	3/4"-10UNC Nylon Self Locking Hex Nut	1	1	1
30	F1425	3/8"-16UNC X 1" Grade 8 Flange Bolt	12	12	12
31	F1426	3/8"-16UNC Grade 8 Hex Head Flange Nut	9	9	9
32	F1421	3/8"-16UNC Hex Head Whiz Lock Nut	5	5	5
33	F1199	1/4"-20UNC X 3/4" Grade 5 Hex Head Cap Screw	8	4	4
34	F1152	1/4"-20UNC Center Hex Lock Nut	5	5	5
35	F1164	1/4" Lock Washer	4	1	5
36	F1049	#10 X 1" Hex Washer Head Screw (AB)	4	4	4
37	F1338	5/16"-18UNC X 3/4" Hex Head Whiz Lock Screw	2	2	4
38	F1339	5/16"-18UNC Hex Head Whiz Lock Nut	4	4	6
39	N11-417B	1/4" O.D. Polyethylene Tubing	7'	7'	7'
40	F1048	#10-24UNC X 3/8" Button Head Machine Screw	2	2	2

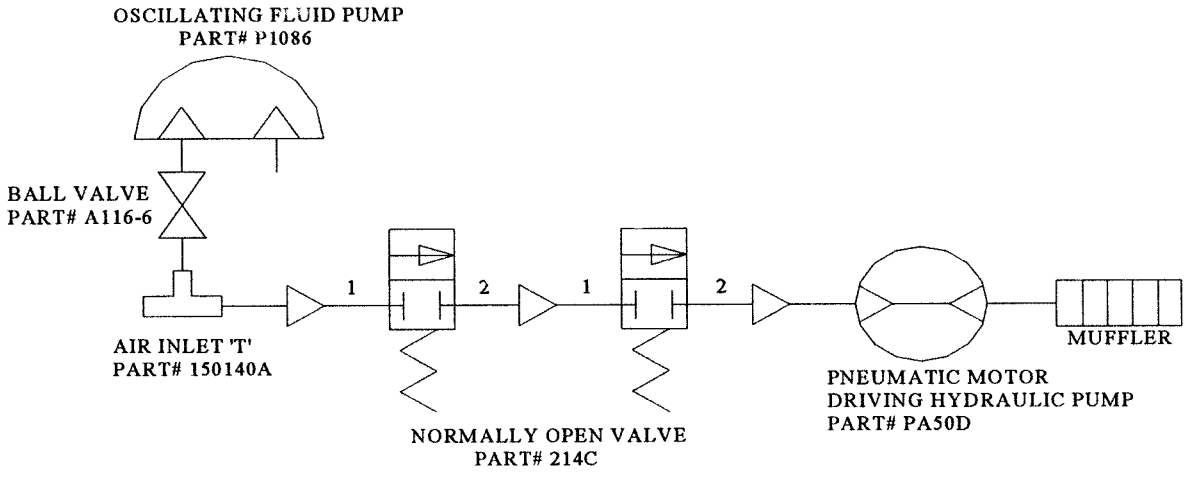
Item No.	Part No.	Description	DRM654/7850 Quantity	DRM655/7851 Quantity	DRM656/7852 Quantity
41	F1200	1/4" Star Lock Washer	2	2	2
42	F1196	1/4" I.D. X 1" O.D. Flat Washer	0	0	5
44	155186	Garloc Bushing	1	1	1
45	214C	Air Valve	2	2	2
46	1169X4S	Male Swivel Elbow	4	4	4
47	F1032	#8-32UNC X 1" Slotted Head Machine Screw	2	2	2
48	F1031	#8-32UNC Hex Head Nut with Star Lock Washer	2	2	2
49	F1923	Nylon Flat Washer	8	8	8
50	F1922	3/8" Snap Binding Screw Post	8	8	8
51	1168X4X6	Male Connector	1	1	1
52	F1204	1/4" X 1/4" with #10-32UNC Thread	2	2	2
53	DRM316A1-2	Clip Pin	2	2	2
54	DRM316A1-5	0.06" Heavy Compression Spring	1	1	1
55	P1105	0.055" Compression Spring	1	1	1
56	1169X4X6S	Male Swivel Elbow	1	1	1
57	PA50D	Hydraulic Pump	1	1	1
58	8936-0369	Air Valve	1	1	1
59	P1015	Hydraulic Cylinder (18" CRSS)	1	1	1
60	F1971	3/8" X 2-1/2" Pipe Nipple	1	1	1
61	P1104	3/8" Air Filter	1	1	1
62	F1191	1/4"-20UNC Brass Tip Hex Socket Set Screw	1	1	1
63	600018-4	J-Bolt	1	1	1
64	150135-1	Air Pump Clamp	1	1	1
65	150143	Pivot Bar	1	1	1
66	600150-1	Micro Switch Activator	1	1	1
67	H42508X16	16" Hydraulic Hose W/Fittings	1	1	1
68	H42508X24	24" Hydraulic Hose W/Fittings	1	1	1
69	P1151	Fixed Force Gas Spring	1	1	1
70	P1152	Gas Spring End Fitting	2	2	2
71	P1153	Gas Spring Safety Clip	2	2	2
72	P1154	Gas Spring Ball Stud	2	2	2
73	F1036	#8-32UNC X 1-1/2" Slotted Head Machine Screw	2	2	2
74	F1038	#8-32UNC Nylon Self Locking Hex Nut	10	10	10
75	F1468	3/8"-16UNC X 3/4" Carriage Bolt	2	2	2
76	F1039	#8-32UNC X 1/2" Slotted Head Machine Screw	8	8	8
77	F1065	#10-24UNC X 5/8" Slotted Head Machine Screw	2	2	2
78	F1054	#10 Steel Flat Washer	2	2	2
79	F1722	#10-24UNC Nylon Self Locking Hex Nut	2	2	2
80	600103	Locating Pin	0	1	1
81	600104	Non-Sparking Kit	0	1	1
82	600104-3	Aluminum Round Disc	0	1	1
83	600107	Brass Grounding Washer	0	1	1
84	P1090	Beam Clamp	0	1	1
85	P1091	Terminal Lug	0	1	1
86	P1092	6' Green Ground Wire	0	1	1
87	F1219	1/4"-20UNC X 1" Brass Hex Head Screw	0	1	1

Item No.	Part No.	Description	DRM654/7850 Quantity	DRM655/7851 Quantity	DRM656/7852 Quantity
88	F1220	1/4"-20UNC X 1" Brass Flat Countersink Allen Head	0	7	7
91	P1088	1/2"Male Nipple with 1/2" Hose Barb	0	0	2
92	P1089	1/2" Female Nipple with 1/2" Hose Barb	0	0	1
93	P1086	Pump Model 66056-2A4	0	0	1
94	P1093	1/2" X 90 Degree Elbow (Brass)	0	0	1
95	P1094	1/2" X 3" Nipple (Brass)	0	0	1
96	P1087	Ring Terminal	0	0	1
97	150150	Pump Guard	0	0	1
98	150146	Hose Bracket	0	0	1
99	F1938	3/8" B.I P. X 1-1/2" Nipple	0	0	1
100	DRM345-8	3/8" X 48" Black Air Hose	0	0	1
101	A116-6	3/8" Ball Valve	0	0	1
102	P1097	1/2" Hose Clamp	0	0	3
103	F1940	1/4" Pipe X 3/8" Hose Barb	0	0	1
105	DRM345-10	3/8" Pipe X 3/8" Hose Barb	0	0	1
106	F1215	1/4"-20UNC X1-1/2" Hex Head Cap Screw	0	0	4
108	F1939	3/8" Hose Clamp	0	0	2
109	P1083	1/2 " Reinforced Hose X 7'	0	0	2
110	600099-3	18" Aluminum Wand	0	0	1

DRM654/7850 & DRM655/7851 Air Schematic



DRM656/7852 Air Schematic



7 Preventative Maintenance

1) Clean Bowl Filter - Keep air dry.

2) Add a small amount of air tool oil or light weight machine oil to air line.
   Note: An automatic oiler may be added to the air line on the unit, but do not over oil.

3) Check hydraulic oil level. Should be approximately 1" from top of filler hole. Use a general purpose medium weight hydraulic fluid. New Pig Item # DRM673

4) Check for loose nuts, bolts and pins.

5) Check Ram Plate to insure that it is secure to the hydraulic cylinder shaft. Run unit empty to full extension of the hydraulic cylinder. Allow the unit to build full pressure, this will lock the cylinder in place so that it can be tightened or removed. Caution - Loosen set screw before attempting to tighten or remove ram plate.

8 Trouble Shooting Guide

Hydraulic pump runs, but ram will not move.

- Low air pressure - Air pressure should be between 80 PSI and 120 PSI.
- Hydraulic fluid is low - Use a medium weight hydraulic fluid and fill to within 1" of the top of filler hole with the ram in the up position.
- Water and dirt in the air supply - Drain water and clean filter bowl. Add a small amount of air tool oil or light weight machine oil to the air line.
- Up and down lever is not fully engaged - Make sure lever is moved completely to the up or down position.
- Breather cap on the hydraulic pump is closed - Open cap.

Waste pump runs, but will not pump.

- Check hoses for obstructions.
- Check filter screen and clean.

Pump will not run.

- Check air supply.
- Add a small amount of air tool oil or light weight machine oil to the air line.

Hydraulic pump will not run.

- Check air supply - Air pressure to unit should be between 80 psi and 120 psi.
- Water and dirt in the air supply - Drain water & clean filter bowl. Add a small amount of air tool oil or light weight machine oil to the air line.
- Safety cover micro is not fully engaged - Make sure it is fully closed.
- Safety cover micro is out of alignment - Adjust micro so it is fully engaged when cover is in the closed position.
- Tilt micro is not fully engaged - Make sure the compactor is in the upright position and the locking pins are fully extended and depressing the micro.
- Tilt micro is out of alignment - Adjust micro so it is fully depressed when compactor is in the upright position and the locking pins are fully extended.

Loose Ram Plate

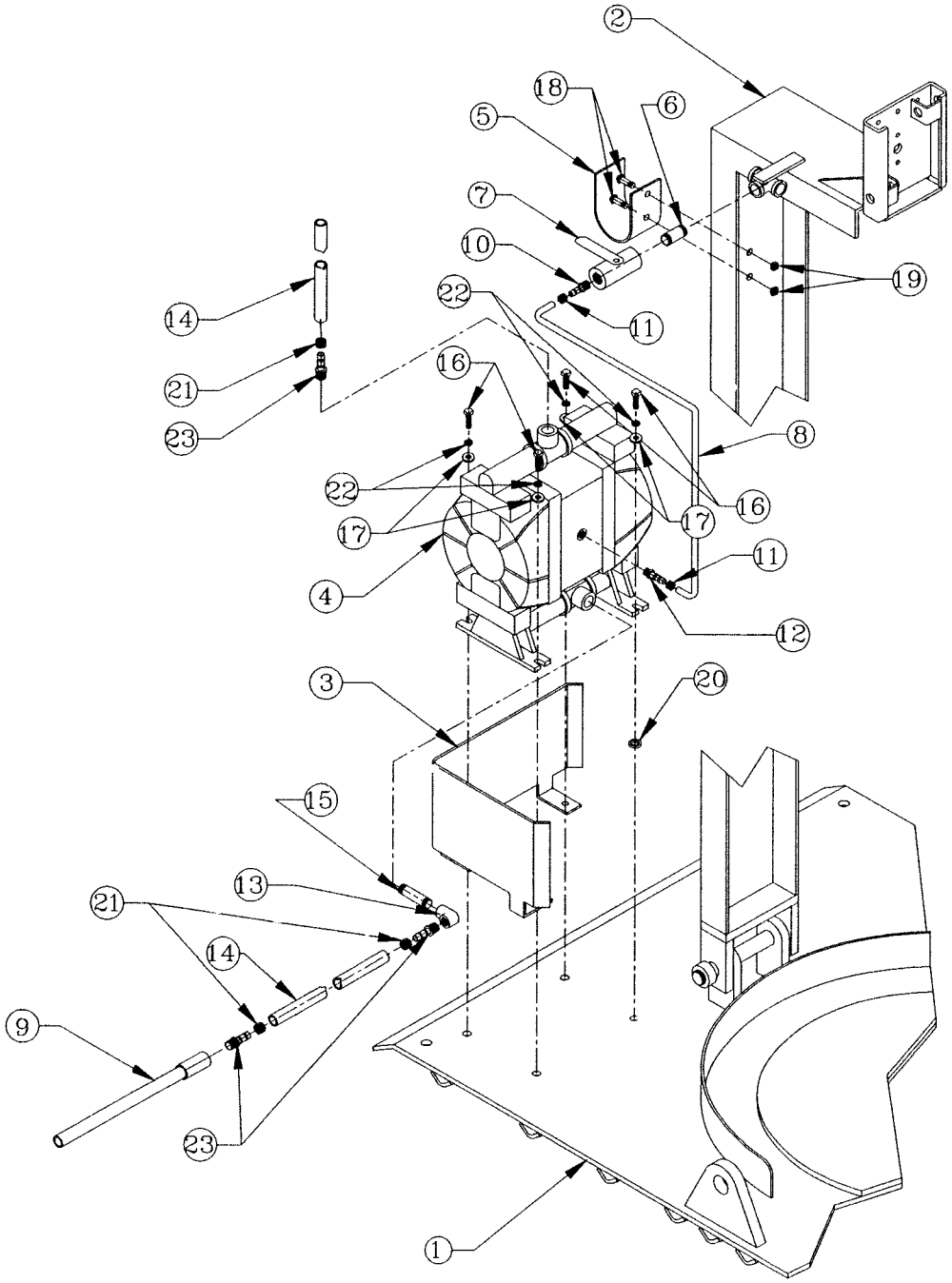
- Ram plate is loose - Run the compactor empty to full extension of hydraulic cylinder. Allow unit to build full pressure, this will lock the cylinder in place so it can be tightened or removed.

  CAUTION: Loosen set screw before attempting to tighten or remove ram plate.

Section III - Air Waste Pump

1 Optional Waste Pump

Waste Pump Assembly
Item# DRM345/7818



WASTE PUMP PARTS LIST DRM345

Item No.	Part No.	Description	Quantity
1	150123	Base Plate	1
2	150140	Rear Pivot	1
3	150150	Pump Guard	1
4	666053-311	Diaphragm Pump	1
5	150146	Hose	1
6	F1938	3/8" x 1 1/2" Pipe Nipple	1
7	A116-6	3/8" Ball Valve	1
8	DRM345-8	3/8" x 48" Black Air Hose	1
9	DRM345-9	1/2" x 18" PVC Pipe	1
10	DRM345-10	3/8" Pipe x 3/8" Hose Barb	1
11	F1939	3/8" Hose Clamp	2
12	F1940	1/4" Pipe x 3/8" Hose Barb	1
13	F1946	1/2" 90 Deg. PVC Elbow	1
14	F1947	5/8" x 7' Clear Hose	2
15	F1948	1/2" x 3" PVC Pipe Nipple	1
16	F1184	1/4"-20UNC x 1" Hex Head Bolt	4
17	F1196	1/4" Flat Washer	4
18	F1338	5/16"-18UNC x 3/4" Hex Head Flange Bolt	2
19	F1339	5/16"-18UNC Hex Head Flange Nut	2
20	DRM345-21	Spacer	1
21	F1949	5/8" Hose Clamp	3
22	F1164	1/4" Lock Washer	4
23	F1943	1/2" Pipe x 5/8" Hose Barb	3